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Nomenclatural notes on the Pyraloidea (Lepidoptera)

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Abstract: Nomenclatural notes on the Pyraloidea (Lepidoptera). *Misc. Pap.* 215: 1-3.

In this paper, six replacement names at the species level in various genera of Pyraloidea are proposed.

Key words: Nomenclature, new name, Pyraloidea, Lepidoptera, Taiwan, Madagascar, Kenya, China, Russia, Jamaica.

In this paper, six replacement names are proposed for the junior homonyms at species level. New names belong to the following genera: *Lygropia* Led., 1863, *Omiodes* Gn., 1854, *Pyrausta* Schr., 1802, and *Cryptobotys* Mnr., 1956. With the exception of *Cryptobotys*, the rest of the proposals is within the frame of our Palaeotropical Lepidoptera program (Kemal & Koçak, 2020).

Lygropia Lederer, 1863

Lygropia madagascariensis nom. nov.

<http://zoobank.org/NomenclaturalActs/17529264-98B8-483D-895F-4ED466600DFB>

Pro *Botys ochracealis* Saalmüller, 1880: 304 nec *Botys ochracealis* Walker, 1866: 1446
Botys ochracealis Saalmüller, 1880 is currently used as a valid name of a taxon in the genus *Lygropia* (Nuss *et al.*, 2003-2020). It cannot be used as valid name, as it is junior primary homonym of *Botys ochracealis* Walker, 1866 from Indonesia (Java). Therefore, we propose a replacement name, *Lygropia madagascariensis* **nomen novum** for *Botys ochracealis* Saalmüller, 1880 nec *Botys ochracealis* Walker, 1866.

Etymology: The new name is proposed as the name of country, where it is found.

Range: Madagascar (Saalmüller, 1880).

Omiodes Guenée, 1854

Omiodes mallyi nom. nov.

<http://zoobank.org/NomenclaturalActs/C8187950-1A90-4FA4-9D7D-A5DD1B7CDBC3>

Pro *Calamochrous pyraustalis* Strand, 1918: 75-76 nec *Hedylepta pyraustalis* Snellen, 1880: 71.
Calamochrous pyraustalis Strand (ex Taiwan) and *Hedylepta pyraustalis* Snellen (ex Sumatra) are secondary homonyms. Both species are currently placed under the genus *Omiodes* Gn. (Nuss *et*

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We hope that this very troubled process, we are experiencing due to the coronavirus pandemic, is over as soon as possible by using the scientific methods not by praying, if it is natural.

We wish most of us to return to our happy and healthy days again.

al.,2003-2020). *Calamochrous pyraustalis* Strand,1918 is junior one without available synonym. As it is junior homonym, it cannot be used as a valid name (see Homonymy Rules, ICZN). Therefore, we propose here a replacement name, *Omiodes mallyi* **nomen novum** for *pyraustalis* Strand,1918 nec *pyraustalis* Snellen,1880.

Etymology: New name is dedicated to R. Mally, for his important contributions to Pyraloidea.

Range: Formosa [Taiwan] (Strand,1918).

***Pyrausta* Schrank,1802**

***Pyrausta southi* nom. nov.**

<http://zoobank.org/NomenclaturalActs/176DAC05-ED37-4061-BA6F-FDEB400CED67>

Pro *Pyrausta pygmaealis* South,1901: 505 nec *Pyrausta pygmaealis* Duponchel,1832: 225
Pyrausta pygmaealis South and *Pyrausta pygmaealis* Duponchel are primary homonyms. Currently, junior homonym has also been used as valid in the genus *Pyrausta* so far (Nuss *et al.*,2003-2020). It has no available synonym. Junior homonym cannot be used as a valid name for a taxon. Therefore, we propose here a replacement name *Pyrausta southi* **nomen novum** for *pygmaealis* South nec *pygmaealis* Duponchel.

Etymology: New name is dedicated to the original author, late Richard South (1846-1932), an English Lepidopterist.

Range: Central China (South, 1901).

***Pyrausta umun* nom. nov.**

<http://zoobank.org/NomenclaturalActs/DE05F5F4-19C0-499F-80DE-5490976E83D4>

Pro *Botys extinctalis* Christoph,1881: 20 nec *Botys extinctalis* Lederer,1863: 372
The name “*Botys extinctalis*” was described and named by Christoph (1881) from Amur region of Far Eastern Russia. It is currently used as valid name in the genus *Pyrausta* Schr. (Nuss *et al.*,2003-2020). Unfortunately, this name is junior primary homonym of *Botys extinctalis* Lederer,1863. According to the Homonymy Rules of the ICZN, junior primary homonym cannot be used as valid name for a taxon. There is no available synonym of it (Nuss *et al.*,2003-2020). Therefore, we propose here a replacement name *Pyrausta umun* **nomen novum** for *Botys extinctalis* Christoph,1881 nec *Botys extinctalis* Lederer,1863.

Etymology: In Uighur language “umun” means “hope” that people need very much today.

Range: Russia: Amur region, Kazakhstan: Saisan (Christoph,1881).

***Pyrausta kenyaensis* nom. nov.**

<http://zoobank.org/NomenclaturalActs/F8A76E5F-7DA2-4A6B-A18A-0FF64D898089>

Pro *Pyrausta microdentalis* Hampson,1918: 403-404 nec *Pyrausta microdentalis* Hampson,1912: 1270.

Range: Africa: Kenya.

The name combination “*Pyrausta microdentalis*” was first used by Hampson (1912) for a species, described from Sri Lanka. Five year later, Hampson described another species from Kenya with the same name combination: “*Pyrausta microdentalis*”. Currently, these two species from different geography are valid taxonomically (Nuss *et al.*,2003-2020). However, their scientific names are primary homonyms. The junior primary homonym (described from Kenya in 1918) cannot be used as valid. There is no available synonym of it. Therefore, we propose a replacement name *Pyrausta kenyaensis* **nomen novum** for *Pyrausta microdentalis* Hampson,1918 nec *Pyrausta microdentalis* Hampson,1912.

Etymology: The new name is given as the name of country, where it is found: [Kenya]: “Br. E. Africa”.

Range: Kenya (Hampson,1918).

Cryptobotys* Munroe, 1956**Cryptobotys jamaicaensis* nom. nov.**<http://zoobank.org/NomenclaturalActs/5A96558E-3020-495F-8C50-7E0A9CD171A0>

Pro *Botys hilaralis* Möschler, 1886: 77 nec *Botys hilaralis* Herrich-Schäffer, 1871: 27

Botys hilaralis was described by Möschler (1886) from Jamaica. This name is currently considered as valid (Nuss *et al.*, 2003–2020) under the genus *Cryptobotys*. However, it cannot be used as valid, as it is junior primary homonym of *Botys hilaralis* Herrich-Schäffer, 1871 from Cuba. Therefore, we propose here a replacement name *Cryptobotys jamaicaensis* **nomen novum** for *Botys hilaralis* Möschler, 1886 nec *Botys hilaralis* Herrich-Schäffer, 1871.

Etymology: The name of the country, where it is found, is given here for the new name.

Range: Jamaica (Möschler, 1886).

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A replacement name in the family Sarcophagidae (Diptera)

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Abstract: A replacement name in the family Sarcophagidae (Diptera). *Misc. Pap.* 215: 4.
In this short paper, a new name, *Christiaanbarnardia* is proposed for the South African Sarcophagidae.

Key words: Nomenclature, *Barnardia*, *Liosarcophaga*, *Christiaanbarnardia* Sarcophagidae, Diptera.

During updating our database on the African Pterygota the genus name *Barnardia*, established by Lehrer (2003) from South Africa. The name *Barnardia* was dedicated to Dr. C. Barnard (South Africa). Unfortunately this name pre-occupied two times; therefore it could not be used as valid. Recently, Verves & Khrokalo (2020: 169) proposed *Barnardia* Lehrer as a valid subgenus of *Liosarcophaga* Enderlein.

Here we follow the latest arrangement proposed by Verves & Khrokalo and propose a nomenclatural act in the following way:

Sarcophagidae Macquart, 1835

Genus *Liosarcophaga* Enderlein, 1928

Subgenus *Christiaanbarnardia* nomen novum

<http://zoobank.org/NomenclaturalActs/B21EA136-EB4F-4E4D-8755-B8B569C842DE>

Pro *Barnardia* Lehrer, 2003, *Entomologica* (Bari) 37: 43 [key], 63 [description] nec *Barnardia* Péringuey, 1926, *Ann. S. Afr. Mus.* 23: 637 (Coleoptera: Carabidae) non *Barnardia* Yamaguti, 1963, *Parasitic Copepoda and Branchiura of fishes*. John Wiley & Sons, New York & London: 280 (Crustacea: Chondracanthidae).

Type-species: *Sarcophaga bechuanae* Zumpt, 1972, by original designation by Lehrer (2003).

Etymology: Here, the proposed replacement name is selected in accordance with the approach of the authors about the given scientific names to the persons (Kemal & Koçak, 2020). Therefore, this new name is dedicated to late Prof. Dr. Christiaan Barnard (1922-2001), the South African cardiac surgeon, who performed the world's first human-to-human heart transplant operation.

Range: Botswana (Lehrer, 2003).

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Verves, Y.G. & L. A. Khrokalo, 2020. Review of the taxa of Calliphoridae and Sarcophagidae (Diptera) studied by late Prof. Andy Z. Lehrer. *Priamus* Suppl. 44: 1-282.

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